

Abstract

According to the invention, one or more channels which form the control channel are assigned to a base station in order to transmit control information. This makes it possible to vary the data rate of the control channel. At least one synchronization sequence is transmitted by the base station, the channel or channels of the control channel corresponding to the selection of one or more synchronization sequences and/or to the order of a plurality of synchronization sequences. A subscriber station receives the at least one synchronization sequence and determines the configuration of the control channel on the basis of the recognized synchronization sequence which designates the channel or channels and/or on the basis of the recognized order of a plurality of synchronization sequences. A large number of variants of a single synchronization sequence and/or the order of transmission of different synchronization sequences, for example, can be used to signal the configuration of the control channel. In this way, an indication of a scalable control channel is possible even in the synchronization phase and with little additional expenditure.